

Python: package vcs

vcs

[index](#)

```
# VCS Visualization and Control System - (VCS) module
#
#####
# Module:      vcs module
#
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#
# Description: Python command wrapper for VCS's functionality. VCS is computer
#               software for the selection, manipulation, and display of
#               scientific data. By specification of the desired data, the
#               graphics method, and the display template, the VCS user gains
#               virtually complete control of the appearance of the data
#               display and associated text and animation.
#
#####
#
```

Package Contents

Canvas	colormap	lineeditorgui	templateeditorgui
Pboxeslines	colormapgui	marker	test (package)
Pdata	colors	meshfill	testtemplate
Pformat	continents	outfill	textcombined
Plegend	displayplot	outline	textorientation
Ptext	error	pagegui	texttable
Pxlabels	fillarea	pauser	utils
Pxtickmarks	fonteditorgui	projection	vcshelp
Pylabels	graphicsmethodgui	projectiongui	vector
Pytickmarks	gui template editor	queries	xvsy
VCS validation functions	install_vcs	scatter	xyvsv
_vcs	isofill	slabapi	yxvsx
animationgui	isoline	taylor	
boxfill	line	template	

Functions

`init(mode=1, pause_time=0, call_from_gui=0)`

Function: `init`

Initialize, Construct a VCS Canvas

Description of Function:

Construct the VCS Canas object. There can only be at most 8 VCS
Canvases open at any given time.

Example of Use:

```
import vcs,cu

file=cu.open('filename.nc')
slab=file.getslab('variable')
a=vcs.init()
a.plot(slab)
b=vcs.init()
template=b.gettemplate('AMIP')
b.plot(slab,template)
c=vcs.init()
isofill=c.getisofill('quick')
c.plot(slab,template,isofill)
d=vcs.init()
isoline=c.getisoline('quick')
c.plot(isoline,slab,template)

# This examples constructs
# Plot slab using default s
# Construct VCS object
# Get 'example' template ob
# Plot slab using template
# Construct new VCS object
# Get 'quick' isofill graph
# Plot slab using template
# Construct new VCS object
# Get 'quick' isoline graph
# Plot slab using isoline a
```

Data

taylordiagrams = [<vcs.taylor.Gtd instance>]